RISO, INC. **PARTS CHANGE INFORMATION**

PART: ROM REVISIONS **ISSUE #: 050**

JAPAN:

NEW PART NUMBER: NEW DESCRIPTION: ROM REVISIONS OLD PART NUMBER: OLD DESCRIPTION:	[ ] New [ ] Modified [ ] Obsolete [X] Other
Compatible: [X] Not Compatible: [ ] Old/Obsolete: [Y]	

CHANGE REASON	MANUFACTURING CUT-IN	MODEL(S):
[ ] Cost Effective [ ] Eliminate Claims [ ] Easier Operation [X] Other	SERIAL #:	RC SERIES RA SERIES

Over past months the Riso products have changed ROM's to add peripherals and enhance machine operation. Attached is a brief explanation of changes.

RC4000/4500/5600

SP11/V7.08 compatible with PP11/V5.10

1. Prevents the Drum from being pulled out after the Drum stops, if the home position ("A" Magnet) is Overrun.
2. Prevents an overflow condition should the "Reset" be continually pressed, with T-1 and add Ink condition.

RC5800

SP22/V3.09 compatible with PP22/V5.04

1. Prevents the Drum from being pulled out after the Drum stops, if the home position ("A" Magnet) is overrun.
2. Prevents an overflow condition should the "Reset" be continually pressed, with T-1 and add Ink condition.

SP22/V3.12 compatible with PP22/V5.04

1. Prevents the key entry of Paper Size during Sort/Stack operation when a TM2400 is installed.

RC6300

SP33/V1.07 compatible with PP33/V5.02

1. Prevents the Drum from being pulled out after the Drum stops, if the home position ("A" Magnet) is overrun.
2. Prevents an overflow condition should the "Reset" be continually pressed, with T-1 and add Ink condition.
3. Prevents a Operation Panel lockup in "Ready" after enabling Test Mode 92 with a TM2400 installed.
4. Added a Ink Aging Test Mode 76 to the program.
5. Changed the TPH CTL signal timing.

SP33/V1.08 compatible with PP33/V5.02

1. Changed master making length from 203mm to 209mm with an A4 Drum installed.

SP33/V1.09 compatible with PP33/V5.03.

1. Revised paper jam detection timing.
2. Enabled Drum Size output to the Operation Panel when an A4 Drum is installed.
3. (PP33/5.03) The Operation Panel will display a "A4 WIDE" indication when a A4 Drum is installed.

SP33/V1.10 compatible with PP33/V5.04.

1. Enables 2 UP printing when two different originals are placed in an ADF Unit.
2. Revised Master Removal jam detection timing.
3. (PP33/5.04) Enables the Operation Panel to display "SET ORIGINAL IN PLACE" message with two different originals during 2 UP operation.

RA ROM PART NUMBERS:
42/49: 887 - 57XXX
5900: 887 - 67XXX
Remember to enter Test Mode 97 after upgrading.
XXX designates ROM Version Number

RC SYSTEM ROM PART NUMBERS:
40/45/56: 886-17XXX
5800: 886-27XXX
6300: 886-37XXX

RC PANEL ROM PART NUMBERS:
40/45/56: 881-13XXX
5800: 881-23XXX
6300: 881-33XXX

RA4200 / RA4900

RA4200 RA42/V1.07 to RA49/V2.00
RA4900 RA49/V1.07 to RA49/V2.00

1. Disabled continuous operation of keys when the (Print Position, Zoom, Test Print , All Reset) keys are depressed for a short duration.
2. Cancelled the “Paper Jam” message for Error Code 69 when a SF3000 is connected.
3. 2 UP feature is now available in RA4200 Products by setting DIP SW3 - 4 System PCB ON.
4. Enables the Pump Motor for 30 cycles in Test Mode 101. (Ink Motor operation)
5. Prevents the “Wait LED” from flashing when the Print Position key is depressed.
6. Print Shift Position - one step operation time changed from 115 msec. to 135 msec.
7. Inhibits Data Output Mode of a Key Card Counter when a machine is connected to an I/F line.
8. Disables initial “Start” operation, after an “Add Paper” condition is cleared, during sorter operation.
9. ADF Operation - The original is stopped 3mm shorter during loading and fed 3mm further to the image scanning start position.

RA4200 RA49/V2.00 to RA49/V2.01
RA4900 RA49/V2.00 to RA49/V2.01
RA5900 RA59/V1.01 to RA59/V1.02

1. Master cut length changed from 556 pulse to 785 pulse duration.
2. Interface change for CTS signal check.

RA4200 RA49/V2.01 to RA49/V2.02
RA4900 RA49/V2.01 to RA49/V2.02
RA5900 RA59/V1.02 to RA59/V1.03

1. Addition of User Mode 12, allows two types of 2UP features available to operators.

Enter User Mode #12 / DIP SW3 - 4 ON (System PCB)	
(0)	Registration reference A5 size.
(1)	Registration reference statement size.

RC Style in 2UP Mode image registration is controlled via the 1st original, placing one image after another on the master.
RA Style in 2UP Mode image registration is controlled via paper size detected in the Feed Table, placing the 1st original on the first 1/2 of the master and the 2nd original on the 2nd 1/2 of the master.
2. Test Mode 88 has been added to enhance TPH heating power from the Operation Panel.

Memory Switch Setting	**0**	**1**	**2**	**3**	**4**
Heating Power		**Higher** <——————————————————————> **Lower**			
Setting Guide		**+ Density**	**Factory Setting**	**- Density**	
RA4200 K-TPH (300)	**100%**	**103%**	**100%**	**95%**	**90%**
RA4900 T-TPH (400)	**100%**	**100%**	**95%**	**91%**	**85%**
RA5900 K-TPH (400)	**100%**	**105%**	**92%**	**85%**	**81%**